

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/008458

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J37/03 B01D53/94 B01J23/10 B01J23/63

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) -& JP 2004 074138 A (TOYOTA MOTOR CORP), 11 March 2004 (2004-03-11) paragraphs '0018!, '0022!; figure 1 -----	6-11
P, X	EP 1 415 956 A (TOYOTA MOTOR CO LTD 'JP!) 6 May 2004 (2004-05-06) claims 1,12; examples -----	1-11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

12 August 2005

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19/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schoofs, B

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2004074138	A	11-03-2004	NONE	
EP 1415956	A	06-05-2004	JP 2004141833 A	20-05-2004
			EP 1415956 A2	06-05-2004
			US 2004087440 A1	06-05-2004